

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Graham M. CLARKE et al.

Group Art Unit: 1724

Serial No.: 10/621,620

Examiner: Unassigned

Confirmation No.: 1875

Filed: 17 July 2003

Docket No.: 57901US005

Title: MICRONEEDLE DEVICES AND MICRONEEDLE DELIVERY APPARATUS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):


- ☒ An itemized return postcard.  
☐ A Petition for Extension of Time for \_\_ month(s) and a check in the amount of \$\_\_ for the required fee.  
☒ An Information Disclosure Statement (2 pgs); copies of 0 applications: 1449 forms (2 pgs); and copies of 15 documents cited on the 1449 forms.  
☐ A check in the amount of \$\_\_, for \_\_.  
☐ A certified copy of a \_\_ application, Serial No. \_\_, filed \_\_\_\_, the right of priority of which is claimed under 35 U.S.C. §119.  
☒ Other: copy of International Search Report from a related PCT application (6 pgs).  
☐ Amendment \_\_ No Additional fee is required. \_\_ The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$18 =	
Independent Claims				x \$86 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$290 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

**CERTIFICATE UNDER 37 C.F.R. §1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 5th day of February, 2004.

MUETING, RAASCH & GEBHARDT, P.A.

By:   
Kevin W. Raasch  
Reg. No.: 35,651  
Direct Dial: 612-305-1218  
Facsimile: 612-305-1228



PATENT  
Docket No. 57901US005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Graham M. CLARKE et al. ) Group Art Unit: 1724  
Serial No.: 10/621,620 ) Examiner: Unassigned  
Confirmation No.: 1875 )  
Filed: 17 July 2003 )  
For: MICRONEEDLE DEVICES AND MICRONEEDLE DELIVERY APPARATUS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. **As this patent application was filed after June 30, 2003, copies of the U.S. patents and U.S. patent application publications listed on the attached 1449 form(s) have not been submitted.** Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicants also wish to bring the Examiner's attention to the International Search Report from PCT/US03/021538, a related PCT application. A copy of the International Search Report is attached. The documents identified in the Search Report are listed on the enclosed 1449 form.

**Information Disclosure Statement**

**Page 2 of 2**

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It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

**CERTIFICATE UNDER 37 C.F.R. 1.8:**

The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 5th day of February, 2004.

Signature: KWR

Name: KEVIN W. RAASCH

Respectfully submitted for

Graham M. CLARKE et al.

By

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05 FEBRUARY 2004  
Date

KWR/rgg

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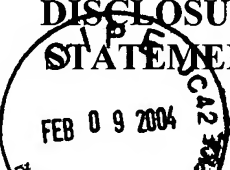
<b>INFORMATION DISCLOSURE STATEMENT</b> 	<b>Atty. Docket No.:</b> 57901US005	<b>Serial No.:</b> 10/621,620
	<b>Applicant(s):</b> Graham M. CLARKE et al.	<b>Confirmation No.:</b> 1875
	<b>Application Filing Date:</b> 17 July 2003	<b>Group:</b> 1724
	<b>Information Disclosure Statement mailed:</b> February 5, 2004	

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	3,964,482	06/22/76	Gerstel et al.			
	4,018,938	04/19/77	Feder et al.			
	4,165,395	08/21/79	Chang			
	4,508,749	04/02/85	Brannon et al.			
	4,523,807	06/18/85	Suzuki			
	4,568,632	02/04/86	Blum et al.			
	4,693,791	09/15/87	Becker et al.			
	4,768,358	11/22/88	Yamazaki et al.			
	4,822,975	04/18/89	Torigoe			
	4,970,366	11/13/90	Imatou et al.			
	5,045,439	09/03/91	Maner et al.			
	5,055,163	10/08/91	Bier et al.			
	5,073,237	12/17/91	Bacher et al.			
	5,160,823	11/03/92	Bennin et al.			
	5,279,544	01/18/94	Gross et al.			
	5,389,954	02/14/95	Inaba et al.			
	5,543,108	08/06/96	Bacher et al.			
	6,093,520	07/25/00	Vladimirsky et al.			
	6,132,755	10/17/00	Eicher et al.			
	6,183,434 B1	02/06/01	Eppstein			
	6,331,266 B1	12/18/01	Powell et al.			
	2003/0045837 A1	03/06/03	Delmore et al.			
	2003/0135161 A1	07/17/03	Fleming et al.			

<b>EXAMINER</b>	<b>Date Considered</b>
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\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT</b> 	Atty. Docket No.: 57901US005	Serial No.: 10/621,620
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## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		EP 1 086 718 A1	03/28/01	EPO				
		EP 1 086 719 A1	03/28/01	EPO				
		EP1 088 642 A1	04/04/01	EPO				
		GB 2 221 394 A	02/07/90	Great Britain				
		WO 94/25259 A1	11/10/94	WIPO (English Language Abstract and Translation Included)			X	
		WO 96/10630 A1	04/11/96	WIPO				
		WO 96/33839 A1	10/31/96	WIPO				
		WO 97/03718 A1	02/06/97	WIPO (English Language Abstract Included)				X
		WO 99/64580 A1	12/16/99	WIPO				
		WO 00/05166 A1	02/03/00	WIPO				
		WO 00/74763 A2, A3	12/14/00	WIPO				
		WO 00/74764 A1	12/14/00	WIPO				
		WO 01/91846 A2	12/06/01	WIPO				
		WO 03/024507 A2	03/27/03	WIPO				
		WO 03/026733 A2	04/03/03	WIPO				

## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
	NONE

<b>EXAMINER</b>	<b>Date Considered</b>
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	